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DATE OF INFORMATION 1953

DATE DIST. 8 Dec 1953

NO. OF PAGES 2

SUPPLEMENT TO
REPORT NO.

LANGUAGE Russian

THIS IS UNEVALUATED INFORMATION

SOVIET MODEL RH-24 UNIVERSAL THREAD ROLLING SEMIAUTOMATIC

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Sanitized Copy Approved for Release 2011/09/13 : CIA-RDP80-00809A000700150289-4

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The test showed that threads with a pitch of up to 6 millimeters and a length of up to 100 millimeters can be manufactured on this machine. A maximum pressure of 24 tons, generated by the machine, assures obtaining this type of thread on blanks made of carbon, alloy, and stainless steel.

In testing Model RN-24 at a number of plants under production conditions, it was established that it fully meets requirements specified for modern high-duty equipment, and makes it possible to use a progressive technology in the manufacture of precision threads with a coarse pitch on parts made from structural steels of various types. The introduction of the powerful thread-rolling machine is opening the way for a successful solution of new technical problems, in particular in rolling small-module worms, precision trapezoidal threads with coarse pitch, and grooves of triangular profile on shafts, etc.

The technical specifications of the RN-24 semiautomatic are as follows:

Range of external diameter of threads being rolled (mm)	6-100
Maximum pitch of thread being rolled (mm)	6
Maximum width of threading rollers (mm)	115
Diameter of threading rollers (mm)	135-200
Speed of spindles (rpm)	16-205
Maximum pressure of threading rollers (tons)	24
Total power of electric motors (kw)	9
Dimensions of machine (meters)	1.95 x 1.35 x 1.5
Weight (tons)	4.5

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